

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known			
		Application Number			
		Filing Date	Herewith		
		First Named Inventor	Chien		
		Art Unit	1753		
Sheet		of		Examiner Name	Noguerola
				Attorney Docket Number	100/12330

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appear
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/SV/	BW	WO-9515981		06-15-1995	University of Utah		
↓	BX	WO-9604547		02-15-1996	Lockheed		
↓	BY	WO-9702357		01-23-1997	Affymetrix		
/SV/	BZ	WO-0163270		08-30-2001	Caliper		

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T
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	CB	BHARADWAJ, R. et al., "Dynamics of Field Amplified Sample Stacking," ASME Expo (2001) 1-8		
	CC	BOCEK, P. et al., "Dynamic Programming of pH-A New Option in Analytical Capillary Electrophoresis," <u>J. of Chromatogr.</u> (1989) 470:309-312		
	CD	BREADMORE, M.C. et al., "Approaches to Enhancing the Sensitivity of Capillary Electrophoresis Methods for the Determination of Inorganic and Small Organic Anions," <u>Electrophoresis</u> (2001) 22: 2464-2489		
	CE	BRITZ-MCKIBBIN, P. et al., "Velocity-Difference Induced Focusing of Nucleotides in Capillary Electrophoresis with a Dynamic pH Junction," <u>Anal. Chem.</u> (2000) 72:1729-1735		
	CF	BURGI, D.S. et al., "Optimization in Sample Stacking for High-Performance Capillary Electrophoresis," <u>Anal. Chem.</u> (1991) 63:2042-2047		
	CG	BURGI, D.S. et al., "Application and Limits of Sample Stacking in Capillary Electrophoresis," <u>Methods Mol. Biol.</u> (1996) 52:211-226		
	CH	CAO, C.X., "Moving Chemical Reaction Boundary and Isoelectric Focusing I. Conditional Equations for Svensson-Tiselius' Differential Equation of Solute Concentration Distribution in Idealized Isoelectric Focusing at Steady State," <u>J. of Chromatogr.</u> (1998) 813:153-171		
	CI	CHIEN, R. et al., "Field-Amplified Polarity-Switching Sample Injection in High-Performance Capillary Electrophoresis," <u>J. of Chrom.</u> (1991) 559:153-161		
	CJ	CHIEN, R. et al., "Sample Stacking of an Extremely Large Injection Volume in High-Performance Capillary Electrophoresis," <u>Anal. Chem.</u> (1992) 64:1046-1050		
	CK	CHIEN, R. et al., "On-Column Sample Concentration Using Field Amplification in CZE," <u>Anal. Chem.</u> (1992) 64:489A-496A		
	CL	CHIEN, R. et al., "Multiport Flow-Control System for Lab-on-a-Chip Microfluidic Devices," <u>Anal. Chem.</u> (2001)371:106-111		
	CM	CHIEN, R. et al., Comment on "Electrokinetic Stacking Injection of Neutral Analytes under Continuous Conductivity Conditions," <u>Anal. Chem.</u> (2002) 74:3929-3930		
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/SV/	CP	EFFENHAUSER, C.S. et al., "Glass Chips for High-Speed Capillary Electrophoresis Separations with Submicrometer Plate Heights," <u>Anal. Chem.</u> (1993) 65: 2637-2642	
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	CR	EFFENHAUSER, C.S. et al., "Integrated Capillary Electrophoresis on Flexible Silicone Microdevices: Analysis of DNA Restriction Fragments and Detection of Single DNA Molecules on Microchips," <u>Anal. Chem.</u> (1997) 69: 3451-3457	
	CS	EFFENHAUSER, C.S. et al., "Manipulation of Sample Fractions on a Capillary Electrophoresis Chip," <u>Anal. Chem.</u> (1995) 67:2284-2287	
	CT	EVERAERTS, F.M. et al., "Analytical Isotachophoresis," <u>J. of Chromatogr.</u> (1976) 119:129-155	
	CU	FAN, Z.H. et al., "Micromachining of Capillary Electrophoresis Injectors and Separators on Glass Chips and Evaluation of Flow at Capillary Intersections," <u>Anal. Chem.</u> (1994) 66: 177-184	
	CV	FISTER, J.C. III et al., "Counting Single Chromophore Molecules for Ultrasensitive Analysis and Separations on Microchip Devices," <u>Anal. Chem.</u> (1998) 70: 431-437	
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	CX	HAAB, B.B. et al., "Single-Molecule Detection of DNA Separations in Microfabricated Capillary Electrophoresis Chips Employing Focused Molecular Streams," <u>Anal. Chem.</u> (1999) 71:5137-5145	
	CY	HADD, A.G. et al., "Microfluidic Assays of Acetylcholinesterase," <u>Anal. Chem.</u> (1999) 71: 5206-5212	
	CZ	HAGLUND, H. et al., "Zone Electrophoresis in a Glass Powder Column," <u>Acta Chemica Scand</u> (1950) 4:957-962	
	DA	HARRISON, J. et al., "Capillary Electrophoresis and Sample Injection Systems Integrated on a Planar Glass Chip," <u>Anal. Chem.</u> (1992) 64: 1926-1932	
	DB	HARRISON, J. et al., "Towards Miniaturized Electrophoresis and Chemical Analysis Systems on Silicon: An Alternative to Chemical Sensors*," <u>Sensors and Actuators B</u> (1993) 10: 107-116	
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/SV/	DF	HJERTEN, S. "Free Zone Electrophoresis," <u>Chromatog. Rev.</u> (1967) 9:122-219	
	DG	HJERTEN, S. et al., "New Approaches to Concentration on a Microliter Scale of Dilute Samples, Particularly Biopolymers with Special Reference to Analysis of Peptides and Proteins by Capillary Electrophoresis I. Theory," <u>J. of Chromatogr.</u> (1994) 676:409-420	
	DH	HUTTA, M. et al., "Solid Phase Extraction for Sample Preparation in Trace Analysis of Ionogenic Compounds by Capillary Isotachophoresis," <u>Journal of Radioanalytical and Nuclear Chemistry</u> (1992) 163:87-98	
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	DQ	JACOBSON, S.C. et al., "Electrokinetic Focusing in Microfabricated Channel Structures," <u>Anal. Chem.</u> (1997) 69: 3212-3217	
	DR	JACOBSON, S.C. et al., "Microfluidic Devices for Electrokinetically Driven Parallel and Serial Mixing," <u>Anal. Chem.</u> (1999) 71: 4455-4459	
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	DT	KANIANSKY, D. et al., "Capillary Electrophoresis Separations on a Planar Chip with the Column-Coupling Configuration of the Separation Channels," <u>Anal. Chem.</u> (2000) 72:3596-3604	
↓ /SV/	DU	KHANDURINA, J. et al., "Microfabricated Porous Membrane Structure for Sample Concentration and Electrophoretic Analysis," <u>Anal. Chem.</u> (1999) 71:1815-1819	

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	DW	KRIVANKOVA, L. et al., "Capillary Isotachopheresis," <u>J. Chromatogr.</u> (1993) 638:1190135	
	DX	KULDVEE, R. et al., "Head Column Field-Amplified Stacking From the Flow: Stabilization of the Sample Plug Position by Using Backpressure," <u>Electrophoresis</u> (2000) 21:2879-2885	
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	EE	MANZ, A. et al., "Planar Chip Technology for Capillary Electrophoresis," <u>Anal. Chem.</u> (1994) 348:567-571	
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	EJ	MIKKERS, F.E.P. et al., "High-Performance Zone Electrophoresis," <u>J. of Chromatogr.</u> (1979) 169:11-20	
/SV/	EK	MOORE, A.W. et al., "Microchip Separations of Neutral Species via Micellar Electrokinetic Capillary Chromatography," <u>Anal. Chem.</u> (1995) 67: 4184-4189	

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	EM	NISHI, H. et al., "Application of Micellar Electrokinetic Chromatography to Pharmaceutical Analysis," <u>Electrophoresis</u> (1990) 11:691-701	
	EN	OLESCHUCK, R.D. et al., "Trapping of Bead-Based Reagents within Microfluidic Systems: On-Chip Solid-Phase Extraction and Electrochromatography," <u>Anal. Chem.</u> (2000) 72:585-590	
	EO	ORSTEIN, L., "Disc Electrophoresis-I Background and Theory", <u>Ann. N.Y. Acad. Sci.</u> (1964) 121:321-349	
	EP	OSBOURN, D. et al., "On-Line Preconcentration Methods for Capillary Electrophoresis," <u>Electrophoresis</u> (2000) 21:2768-2779	
	EQ	OTSUKA, K. et al., "Chiral Separations by Micellar Electrokinetic Chromatography with Sodium N-dodecanoyl-L-valinate," <u>J. of Chromatogr.</u> (1991) 559:209-214	
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	EU	PALMER, J. et al., "Electrokinetic Stacking Injection of Neutral Analytes under Continuous Conductivity Conditions," <u>Anal. Chem.</u> (2002) 74:632-638	
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	EW	QUIRINO, J.P. et al., "Stacking of Neutral Analytes in Micellar Electrokinetic Chromatography," <u>J. Cap. Elec.</u> (1997) 4:233-245	
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/SV/	FA	QUIRINO, J.P. et al., "Large Volume Sample Stacking of Positively Chargeable Analytes in Capillary Zone Electrophoresis Without Polarity Switching: Use of Low Reversed Electroosmotic Flow Induced by a Cationic Surfactant at Acidic pH," <u>Electrophoresis</u> (2000) 21:355-359	
	FB	QUIRINO, J.P. et al., "Approaching a Million-Fold Sensitivity Increase in Capiillary Electrophoresis with Direct Ultraviolet Detection: Cation-Selective Exhaustive Injection and Sweeping," <u>Anal. Chem.</u> (2000) 72:1023-1030	
	FC	QUIRINO, J.P. et al., "Sweeping of Neutral Analytes in Electrokinetic Chromatography with High-Salt-Containing Matrixes," <u>Anal. Chem.</u> (2000) 72:1934-1940	
	FD	QUIRINO, J.P. et al., "Strategy for On-Line Preconcentration in Chromatographic Separations," <u>Anal. Chem.</u> (2001) 73:5539-5543	
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	FF	RAMSEY, J.M. et al., "Microfabricated Chemical Measurement Systems," <u>Nature Medicine</u> (1995) 1:1093-1096	
	FG	ROSS, D. et al., "Microfluidic Temperature Gradient Focusing," <u>Anal. Chem.</u> (2002) 74:2556-2564	
	FH	SALIMI-MOOSAVI, H. et al., "Biology Lab-on-a-Chip for Drug Screening," Solid-State Sensor and Actuator Workshop (1998) 350-353	
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	FK	UEDA, M. et al., "Imaging of a Band for DNA Fragment Migrating in Microchannel on Integrated Microchip," <u>Materials Science and Engineering C</u> (2000) 12:33-36	
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Examiner Signature	/Surekha Vathyam/	Date Considered	03/16/2007
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known		
		Application Number		
		Filing Date	Herewith	
		First Named Inventor	Chien	
		Art Unit	1753	
Examiner Name	Nogu r la			
Sheet		of	Attorney Docket Number	100/12330

/SV/	FQ	WOOLLEY, A.T. et al., "Ultra-High-Speed DNA Fragment Separations Using Microfabricated Capillary Array Electrophoresis Chips," <u>Proc. Natl. Acad. Sci. USA</u> (1994) 91:11348-11352	
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	FT	WOOLLEY, A.T. et al., "Capillary Electrophoresis Chips with Integrated Electrochemical Detection," <u>Anal. Chem.</u> (1998) 70: 684-688	
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Examiner Signature	/Surekha Vathyam/	Date Considered	03/16/2007
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Application Number	10/728,734
Filing Date	12/05/2003
First Named Inventor	Ring-Ling Chien
Art Unit	1753
Examiner Name	Jeffrey Thomas Barton
Attorney Docket Number	100/12330

Sheet	1	of	1
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U. S. PATENT DOCUMENTS

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Application Number	10/728,734
Filing Date	12/05/2003
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Examiner Name	Jeffrey Thomas Barton
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Sheet	2	of	2
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